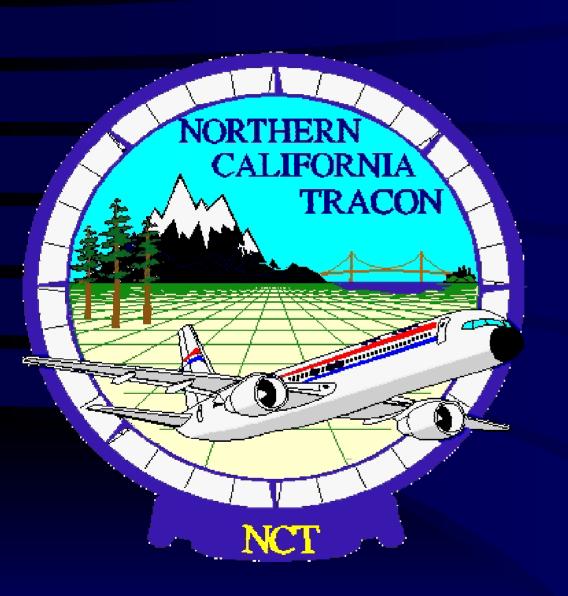
Northern California TRACON





T – Terminal

R – Radar

A – Approach

CON - Control

Northern California TRACON

- Replaces 4 aging Approach Control Facilities
- Updates and replaces outdated equipment
- Consolidates MRY, SCK, MCC, & Bay TRACONs - plus some SUU/ZOA airspace
- Raises ceiling in the airspace to 19,000.

AIRSPACE CONSOLIDATION

OBJECTIVES

- Balance sector traffic levels and workload
- Utilize technological advances in automation, communications, surveillance, & navigation equipment.
- Expand terminal functions into larger portion of airspace
- Control holding pattern fixes

AIRSPACE CONSOLIDATION

ANTICIPATED BENEFITS

- Management of a larger volume of airspace in an integrated manner.
- Will provide framework for a comprehensive airspace redesign, thereby achieving increased efficiency.

 350 Facility Personnel when fully operational (210 Air Traffic Controllers)

 Serving 19 Airports with Towers, numerous other airports without towers

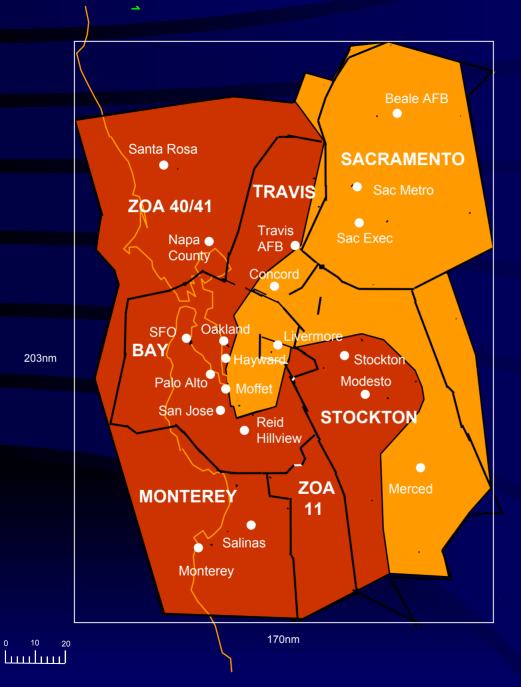
Approximately 5500 operations daily

AIRSPACE DEFINED

- 21,000 square miles of airspace
- From:
 - Santa Rosa in the north to-
 - Big Sur in the south
- From:
 - The Pacific Coast to-
 - The Sierra Nevada Mountains

TRACON Airspace(s) within Oakland Center Airspace





KEY

NCT AIRSPACE 19,000 AND **BELOW**

NCT AIRSPACE 19,000-AND **BELOW**

> **APPROACH CONTROL BOUNDARIES**

203nm

60,000

Breakdown of

Airspace Responsibilities



High Altitude
Usually above
11,000'

Air Route Traffic Control Center (ARTCC)

Usually from surface to 11,000'

Terminal Radar Approach Control (TRACON

2,500°

11,000



5NM radius from airport and up to 2,500' Air Traffic Control Tower (ATCT)

TMU/USER GAINS

- One centralized unit to work with all 5 areas of specialization:
 - Monterey, Sacramento, and Stockton approach controls gain TMU services
 - One unit to coordinate with all involved towers
 - Streamlined flow of information from TMU to the impacted areas, thereby increasing safety and reducing delays

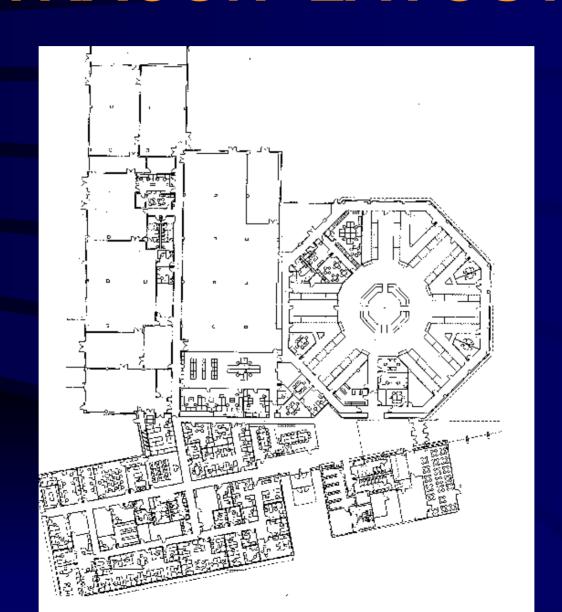
USER BENEFITS DEFINED

- More efficient use of system by exchanging enroute for terminal separation standards in NCT airspace
- Increased efficiency will be realized by centralizing Traffic Management in NCT
- More efficient use of SFO's closely spaced runways (CTAS/TMA/pFAST)

Equipment

- 10 Remote Radar Systems
- Approximately 800 Circuits
- 2 Separate Power Sources
- State-of-the-Art Data Display System and Communications System

TRACON LAYOUT





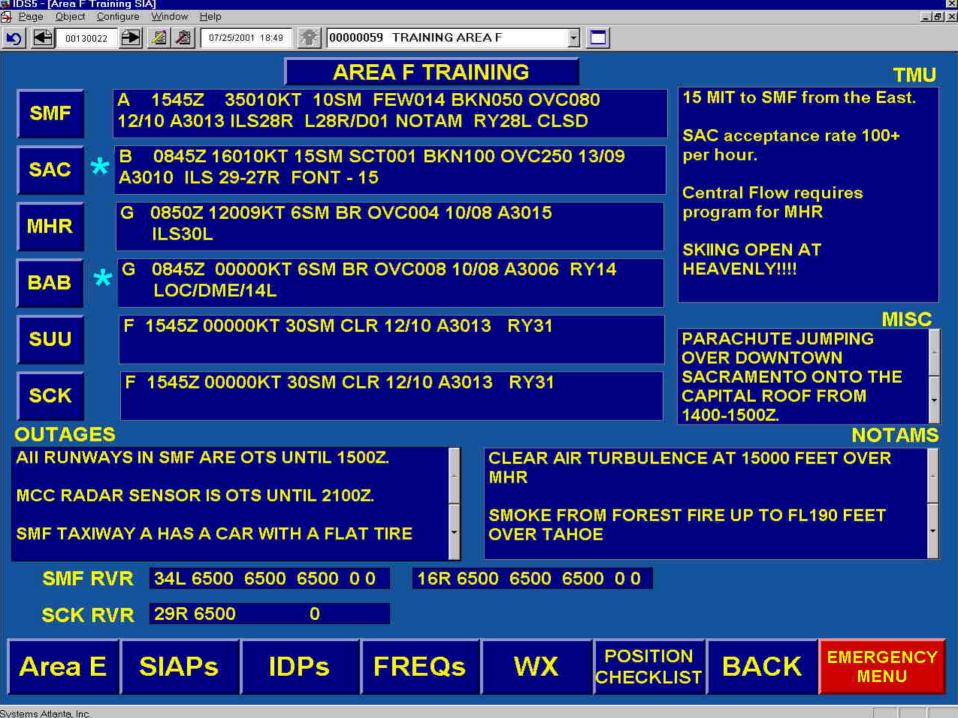


New Radar Color Display



ACE IDS 5 ASOS CONTROLLER EQUIPMENT INFORMATION DISPLAY SYSTEM









08/06/2001 13:37



00000059 TRAINING AREA F



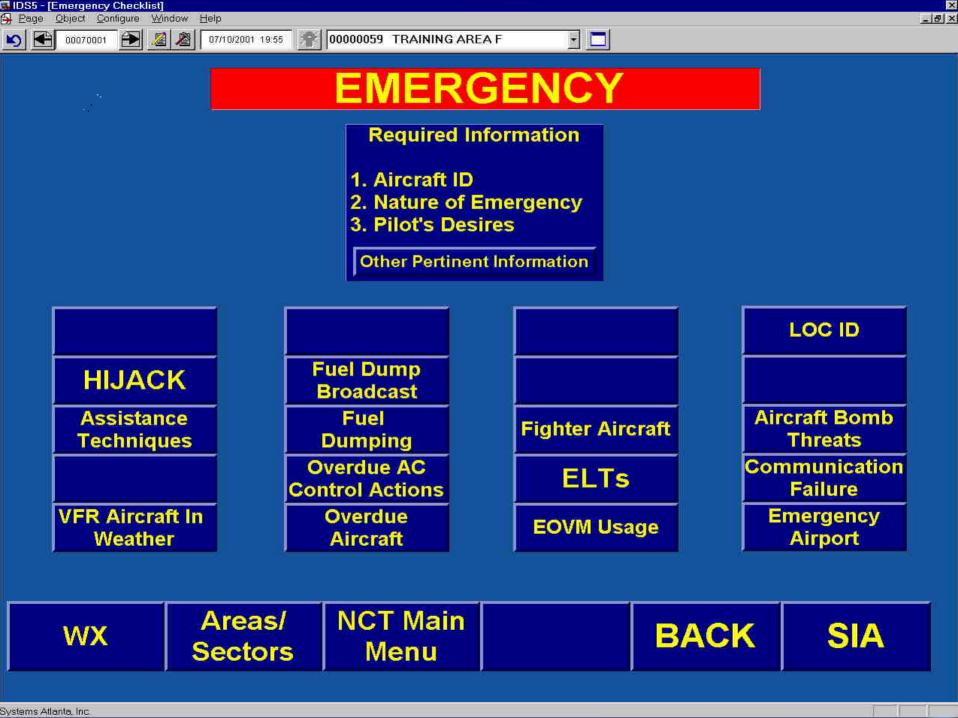
Training AREA F TWATT

15 MIT to SMF from the East.

SAC acceptance rate 100+ per hour.

Central Flow requires program for MHR

SKIING OPEN AT HEAVENLY!!!!



NCT Building Facts

95,000 SF Total Foot Print

- 16,000 SF Operations Room: includes positions, maintenance space etc.
- 12,000 SF Electronics Equip. Rm.
- 3,000 SF AF Maintenance

30,000 SF AF/AT Admin, Support, common usage space

The Site before..





Aerial View of NCT after!



Visitors' Entrance



Operations Wing



Cafeteria and Patio Area



View of NCT from Southeast



Lobby Area and Conference Room



Cafeteria Interior



